Figure 1A

Synthetic Oligonucleotide DNA Family Encoding
Anti-Green Flourescent Protein Ribozymes

1) 5' -CCAGCTC **C TGA TGA GTC CGT GAG GAC GAA** ACCAGGA-3'
3' -GGTCGAG **G ACT ACT CAG GCA CTC CTG CTT** TGGTCCT-5'

2) 5' -GGCCGTT **C TGA TGA GTC CGT GAG GAC GAA** ACGTCGC-3'
3' -CCGGCAA **G ACT ACT CAG GCA CTC CTG CTT** TGCAGCG-5'

3) 5' -CTCGCCG **C TGA TGA GTC CGT GAG GAC GAA** ACACGCT-3'
3' -GAGCGGC **G ACT ACT CAG GCA CTC CTG CTT** TGTGCGA-5'

4) 5' -GCAGATG **C TGA TGA GTC CGT GAG GAC GAA** ACTTCAG-3'
3' -CGTCTAC **G ACT ACT CAG GCA CTC CTG CTT** TGAAGTC-5'

5) 5' -TGGTCAC **C TGA TGA GTC CGT GAG GAC GAA** AGGGTGG-3'
3' -ACCAGTG **G ACT ACT CAG GCA CTC CTG CTT** TCCCACC-5'

6) 5' -AGCGGCT **C TGA TGA GTC CGT GAG GAC GAA** AGGCACT-3'
3' -TCGCCGA **G ACT ACT CAG GCA CTC CTG CTT** TCCGTGA-5'

7) 5' -CATGGCG **C TGA TGA GTC CGT GAG GAC GAA** ACTTGAA-3'
3' -GTACCGC **G ACT ACT CAG GCA CTC CTG CTT** TGAACTT-5'

8) 5' -GCTCCTG **C TGA TGA GTC CGT GAG GAC GAA** ACGTAGC-3'
3' -CGAGGAC **G ACT ACT CAG GCA CTC CTG CTT** TGCATCG-5'

9) 5' -CGTCCTT **C TGA TGA GTC CGT GAG GAC GAA** AAGAAGA-3'
3' -GCAGGAA **G ACT ACT CAG GCA CTC CTG CTT** TTCTTCT-5'

Figure 1B

Synthetic Oligonucleotide DNA Family Encoding
Anti-Green Flourescent Protein Ribozymes

10) 5' -CGCCCTC **C TGA TGA GTC CGT GAG GAC GAA** AACTTCA-3'
3' -GCGGGAG **G ACT ACT CAG GCA CTC CTG CTT** TTGAAGT-5'

11) 5' -TGCGGTT **C TGA TGA GTC CGT GAG GAC GAA** ACCAGGG-3'
3' -ACGCCAA **G ACT ACT CAG GCA CTC CTG CTT** TGGTCCC-5'

12) 5' -CCTCCTT **C TGA TGA GTC CGT GAG GAC GAA** AAGTCGA-3'
3' -GGAGGAA **G ACT ACT CAG GCA CTC CTG CTT** TTCAGCT-5'

13) 5' -GTAGTTG **C TGA TGA GTC CGT GAG GAC GAA** ACTCCAG-3'
3' -CATCAAC **G ACT ACT CAG GCA CTC CTG CTT** TGAGGTC-5'

14) 5' -TGATATA **C TGA TGA GTC CGT GAG GAC GAA** ACGTTGT-3'
3' -ACTATAT **G ACT ACT CAG GCA CTC CTG CTT** TGCAACA-5'

15) 5' -GGATCTT **C TGA TGA GTC CGT GAG GAC GAA** AAGTTCA-3'
3' -CCTAGAA **G ACT ACT CAG GCA CTC CTG CTT** TTCAAGT-5'

16) 5' -GGTCGGC **C TGA TGA GTC CGT GAG GAC GAA** AGCTGCA-3'
3' -CCAGCCG **G ACT ACT CAG GCA CTC CTG CTT** TCGACGT-5'

17) 5' -GCAGCAG **C TGA TGA GTC CGT GAG GAC GAA** ACGGGGC-3'
3' -CGTCGTC **G ACT ACT CAG GCA CTC CTG CTT** TGCCCCG-5'

18) 5' -CAGGGCG **C TGA TGA GTC CGT GAG GAC GAA** ACTGGGT-3'
3' -GTCCCGC **G ACT ACT CAG GCA CTC CTG CTT** TGACCCA-5'

Figure 1C

Synthetic Oligonucleotide DNA Family Encoding
Anti-Green Flourescent Protein Ribozymes

19) 5' -CCAGCAG **C TGA TGA GTC CGT GAG GAC GAA** ACCATGT-3'
3' -GGTCGTC **G ACT ACT CAG GCA CTC CTG CTT** TGGTACA-5'

20) 5' -CCATGCC **C TGA TGA GTC CGT GAG GAC GAA** AGAGTGA-3'
3' -GGTACGG **G ACT ACT CAG GCA CTC CTG CTT** TCTCACT-5'

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A.

pGEM-Sca/Pvu AGT ACT TTC GGC ATC ACT GCC TCA TCA GCA GCT GGG
pGEM-oligo1/3 AAG CTT TTC GGC ATC ACT GCC TCA TCA GGA ATT CGG

B.

pGEMEX-Sma/Kpn GCC AGT ACC GAT GGA GGC AGT GAT GCC GAA CCC GGG GGC CCG
CGG TCA TGG GCT ACT CCG TCA CTA CGG CTT GGG CCC CCG GGC

pGEMEX-oligo2/3 **CCG AAT TCC TGA TGA GGC AGT GAT GCC GAA AAG CTT GGC CCG**
GGC TTA AGG ACT ACT CCG TCA CTA CGG CTT TTC GAA CCG GGC

Fig. 2

Clone 1: CGG GCC AAG CTT TTC GGC ATC ACT GCC TCA TCA GGA ATT CGG CCG CAT GCA
Clone 2: CGG GCC AAG CTT TTC GGC ATC ACT GCC TCA TCA GGA ATT CGG CCG CAT GCA
Clone 3: CGG GCC AAG CTT TTC GGC ATC ACT GCC TCA TCA GGA ATT CGG CCG CAT GCA
pGEMEX: CGG GCC CTC TAG ATG CGG CCG CAT GCA

Fig. 3

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Clone 1:	**GGC CTG CAA AGC TTT TCG GCA TCA CTG CCT CAT CAG GAA TTC GGC CTG CAT** AAG CTT
Clone 2:	GGC TG CAA AGC TTT TCG GCA TCA CTG CCT CAT CAG GAA TTC GGC CTG CAT AAG CTT
Clone 3:	GGC CTG CAA AGC TTT TCG GCA TCA CTG CCT CAT CAG GAA TTC GGC CTG CAT AAG CTT
pGEMEX:	GGC CGC A TG CAT AAG CTT

Fig. 4

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